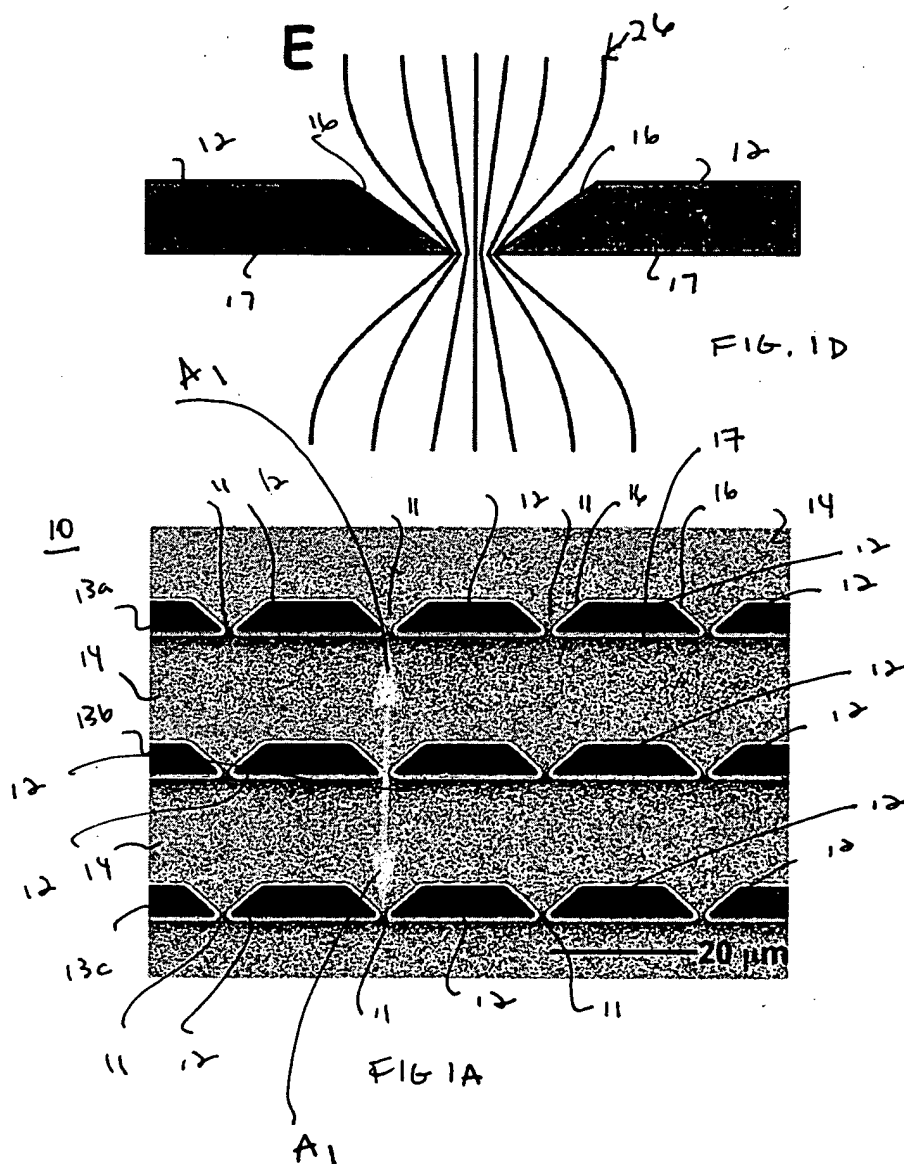


09707893 100000



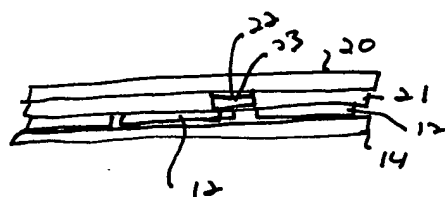
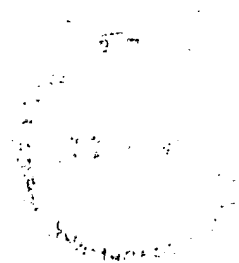


FIG. 1B



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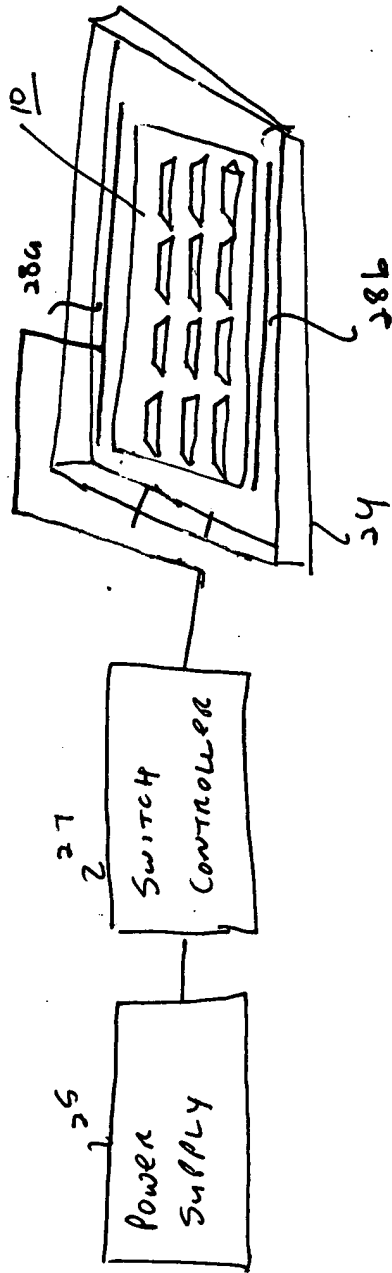
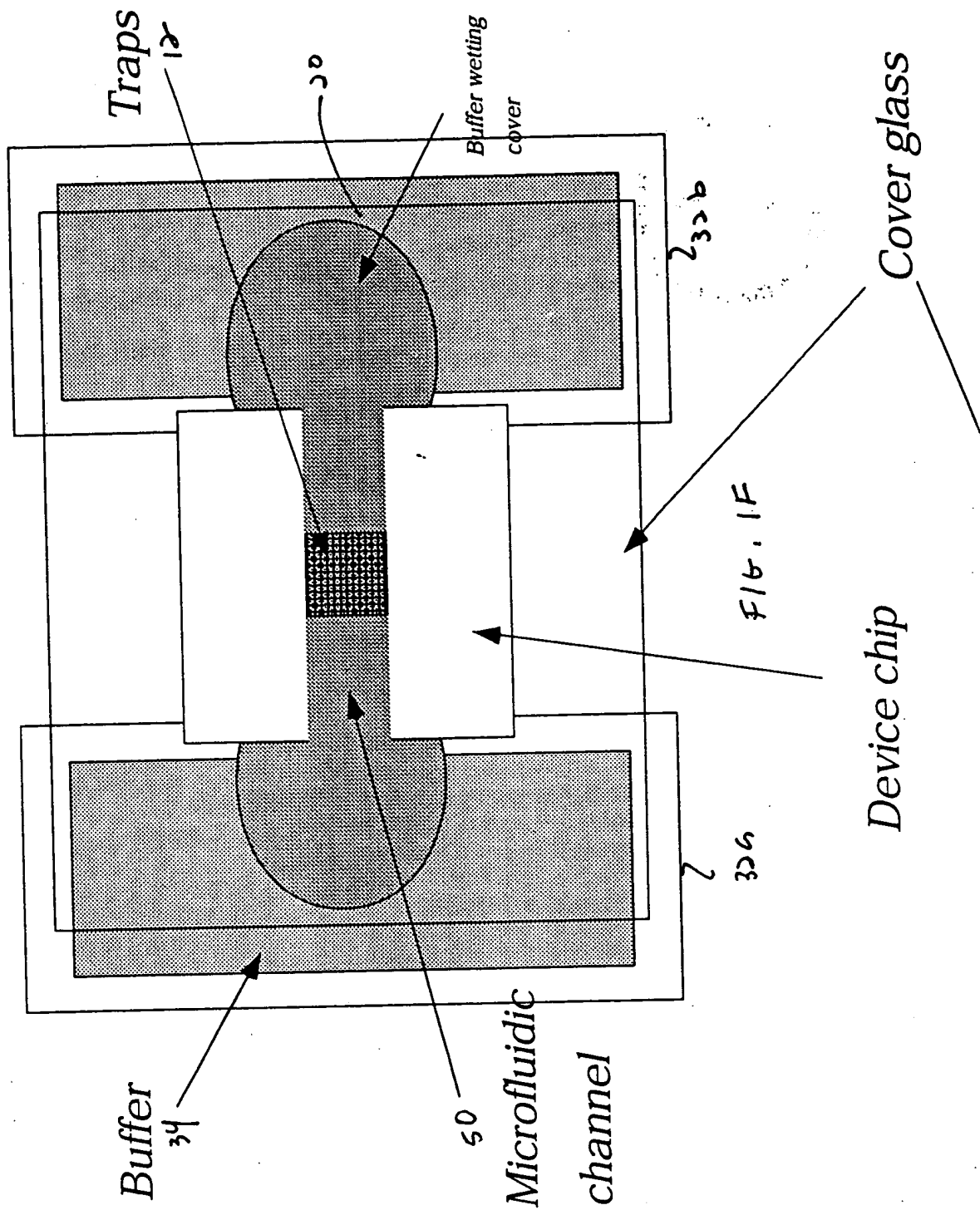


FIG. 1C

The diagram shows a cross-sectional view of a device 10. A coverglass 30 is positioned above a sample 30. The sample is surrounded by a buffer 34. Two electrodes, 32a and 32b, are positioned to contact the sample. An objective 40 is positioned to observe the sample. The device is connected to a control system 25, 27, 29.

7191E

Electrode



00707892 4 10000

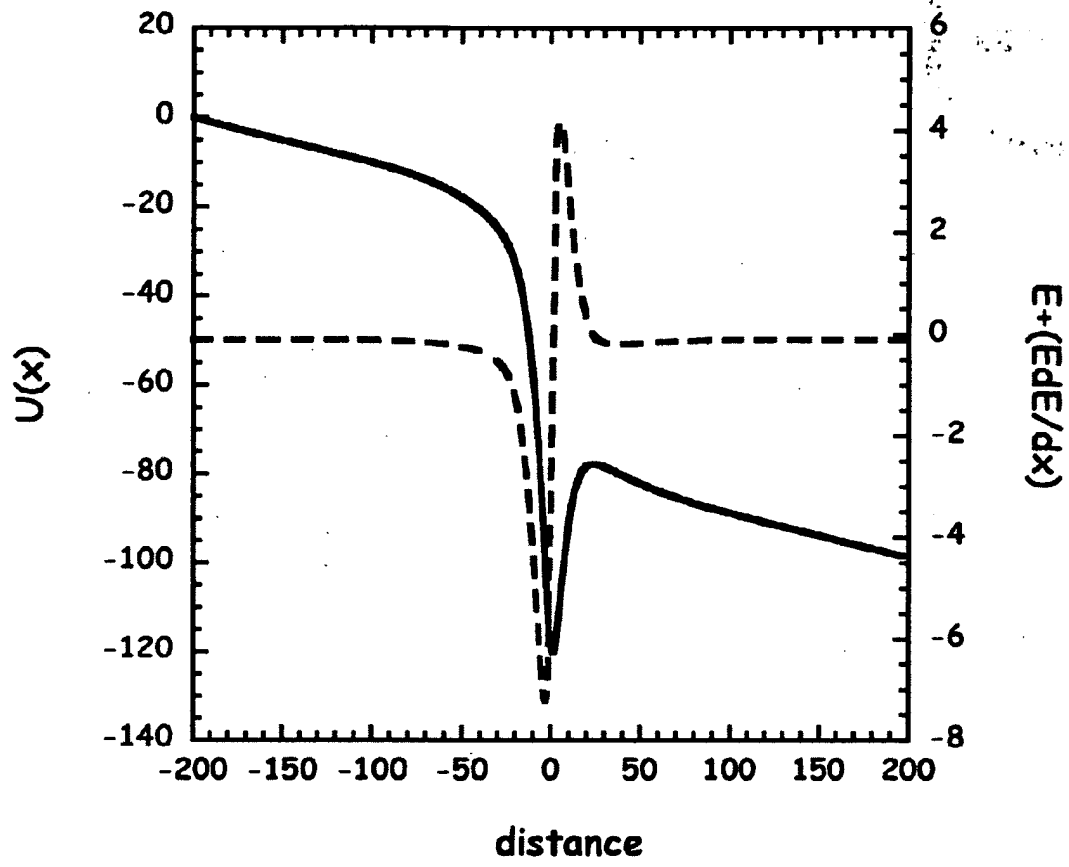


Figure 2:

Figure 3:

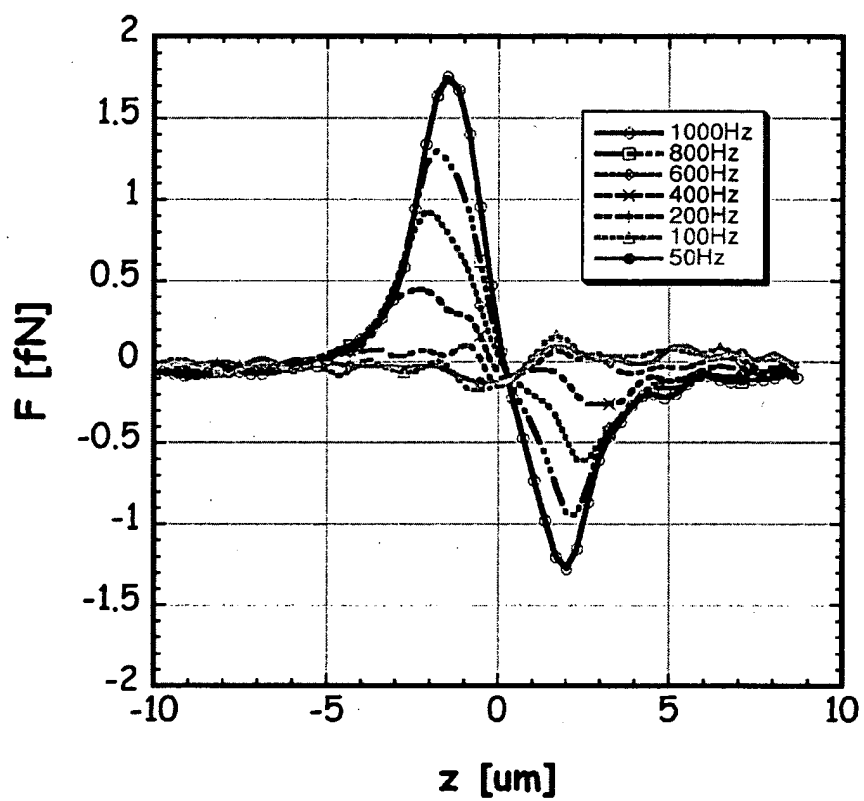


Figure 4:^A

**Trapping Potential
ssDNA @ 40kHz, 700Vrms (50kV/cm?)**

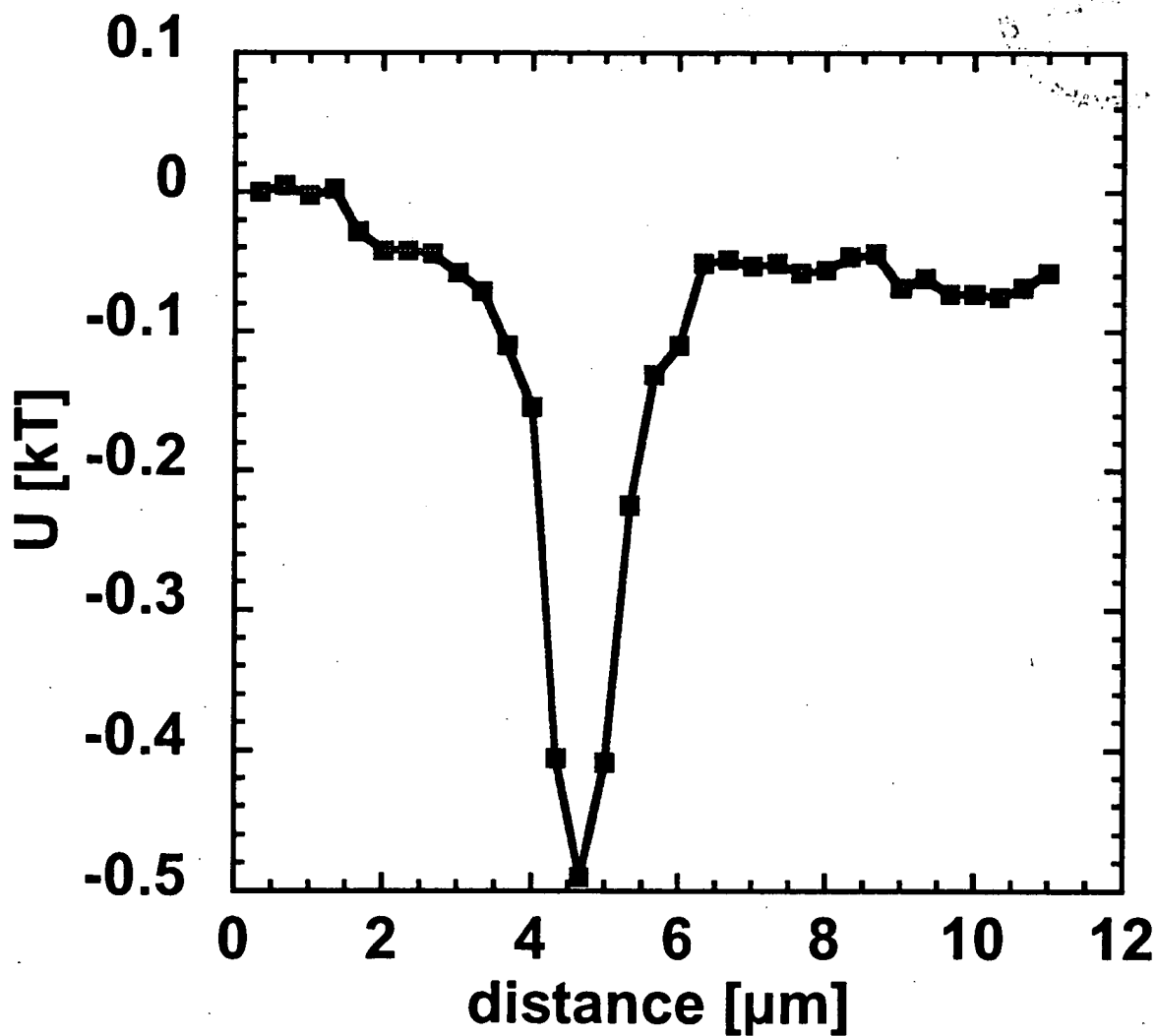


FIG. 4B

**Trapping Force
ssDNA @ 40kHz, 700Vrms (50kV/cm?)**

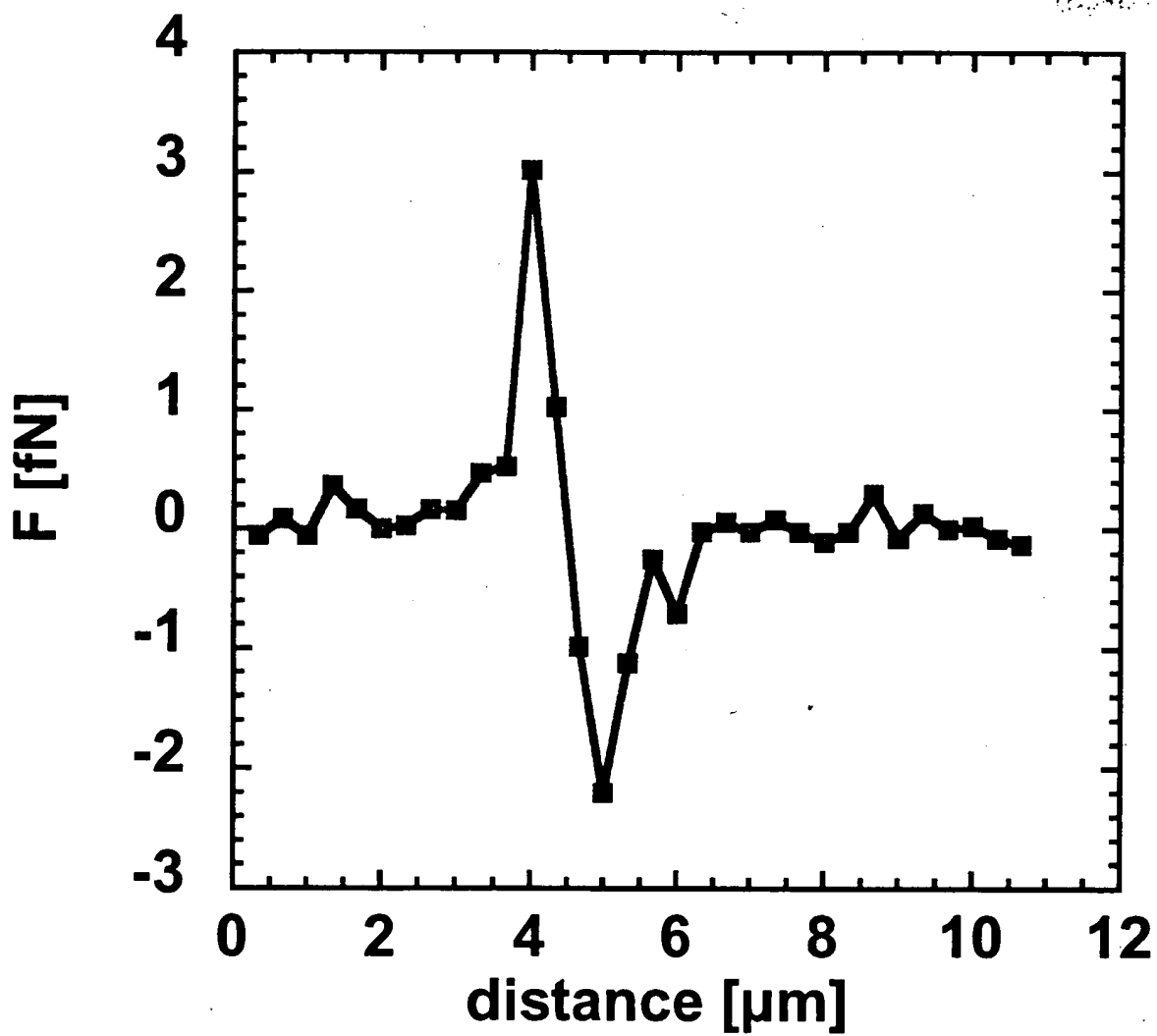


FIG. 4C

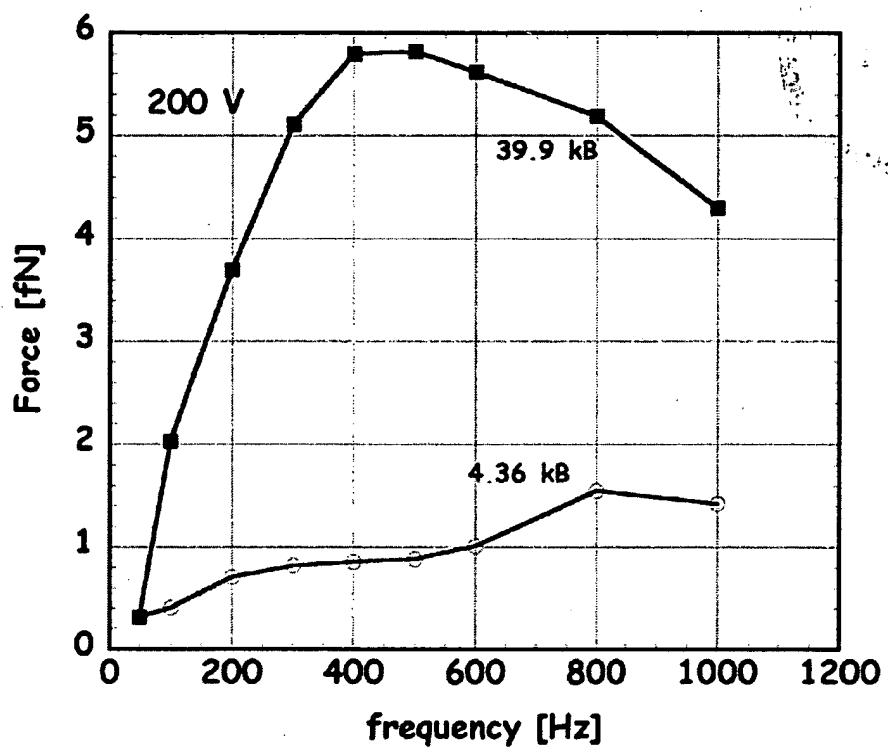


Figure 5

03501-20070-00

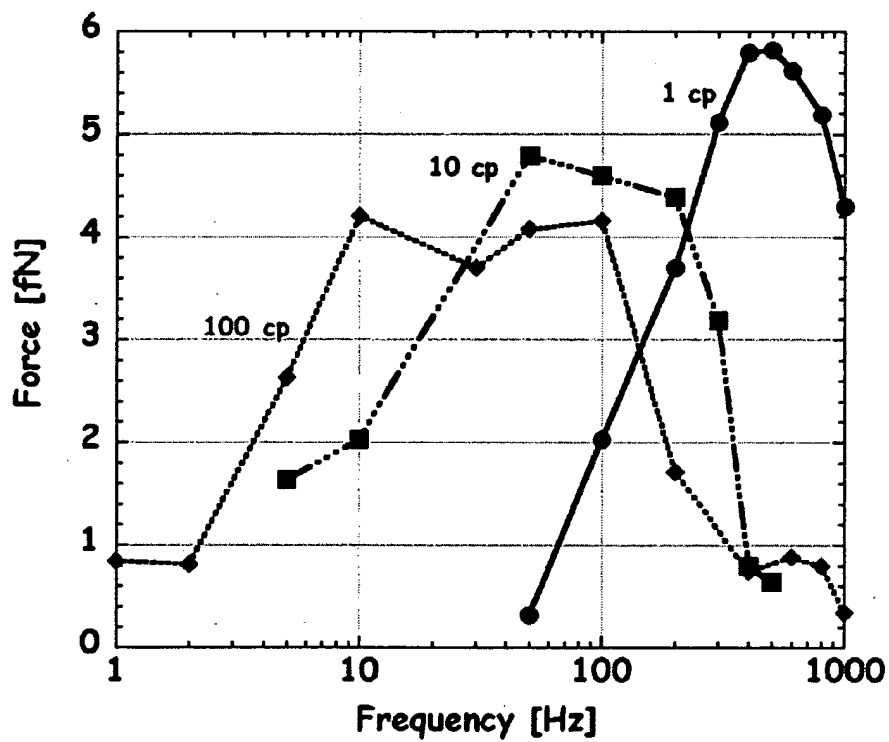


Figure 6

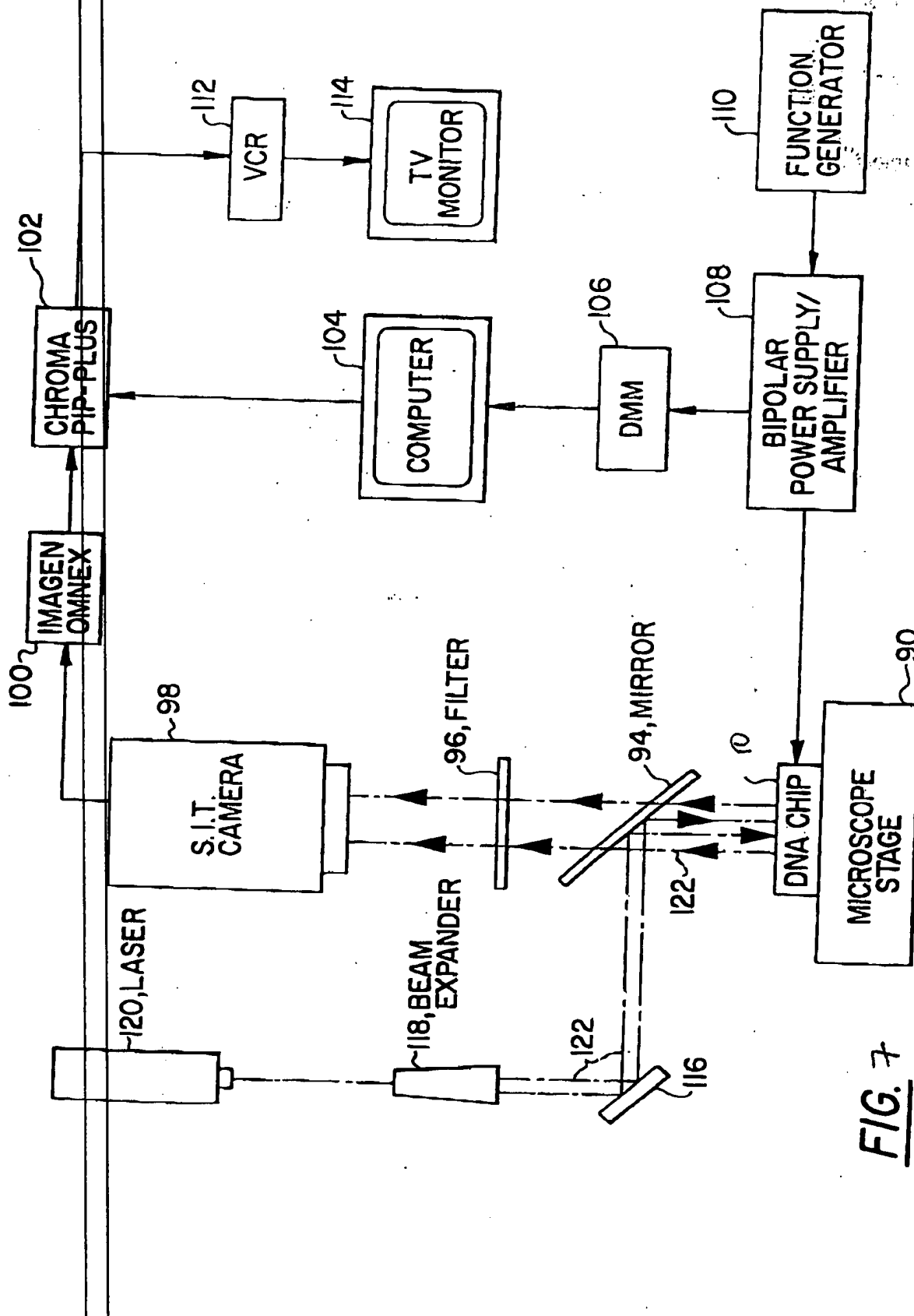


FIG. 7

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A

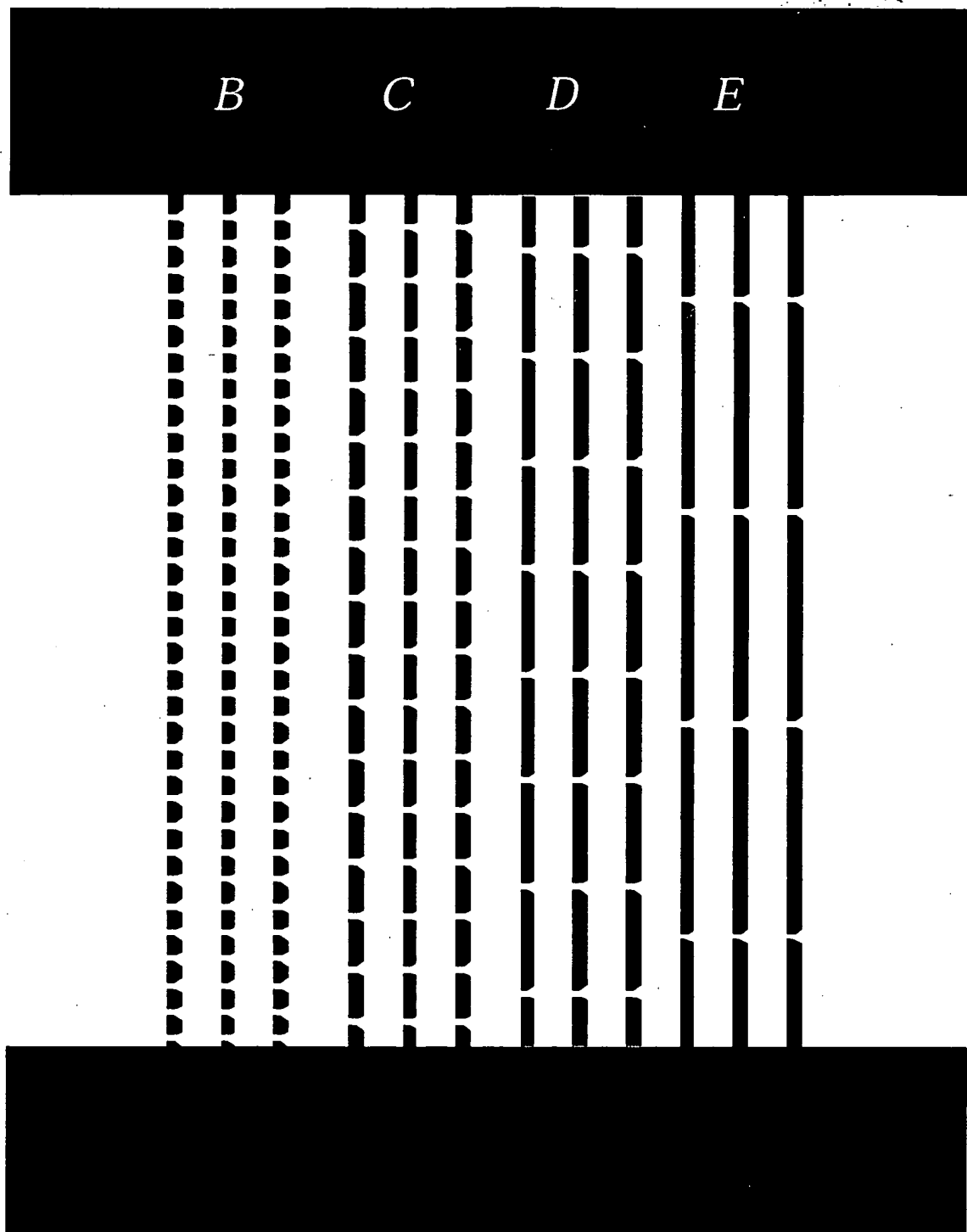


FIG. 8

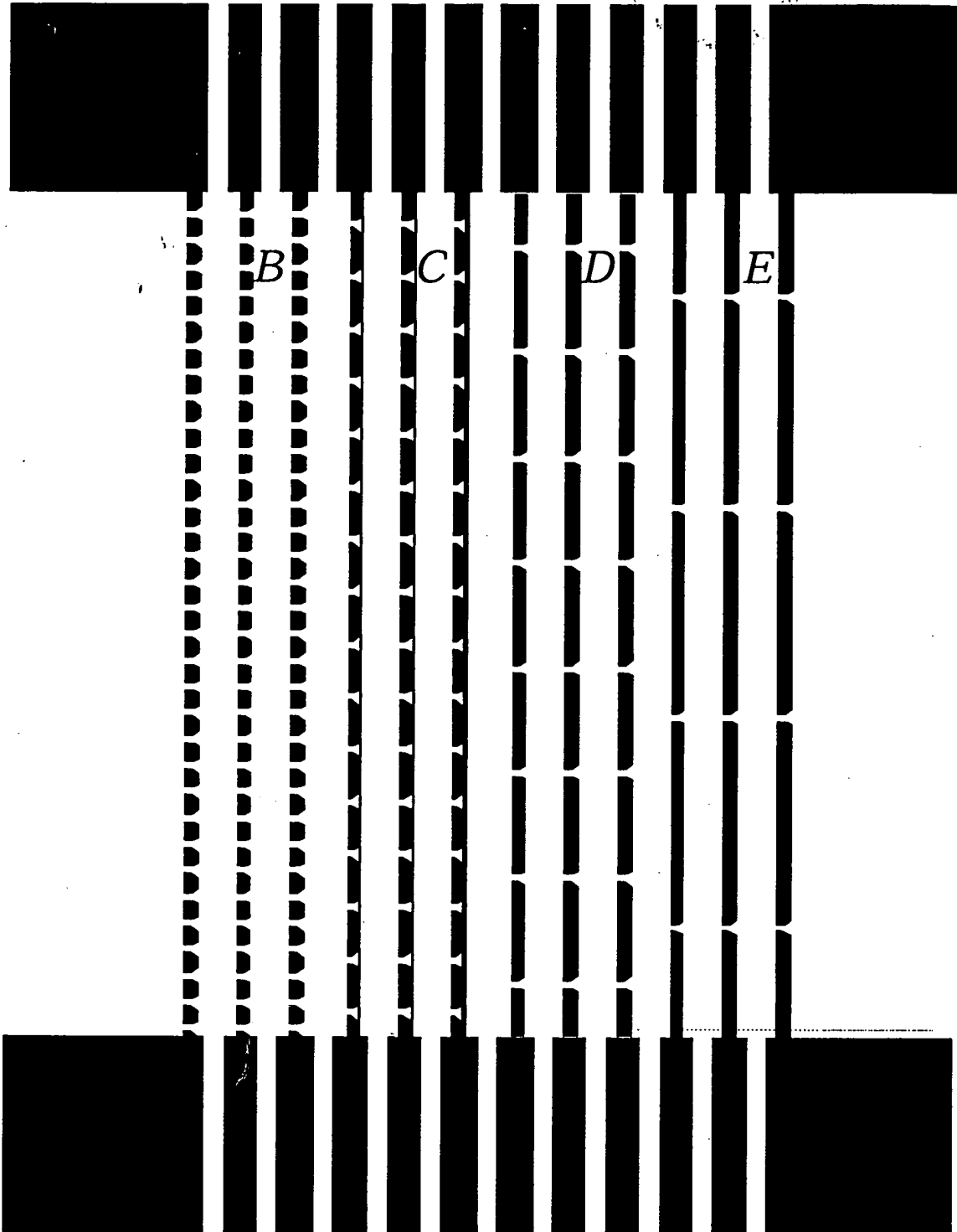
100 μm



H

141

131 132 133 134 135 136 137 138 139 140



E

D

C

B

A

F

141

131 132 133 134 135 136 137 138 139 140

100 μm

G
FIG. 9